If a warning light turns on or a warning buzzer sounds...

Calmly perform the following actions if any of the warning lights turn on or flash. If a light turns on or flashes, but then turns off, this does not necessarily indicate a malfunction in the system.

Stop the vehicle immediately. Continuing to drive the vehicle may be dangerous.

The following warning indicates a possible problem in the brake system. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
BRAKE (U.S.A.) (!) (Canada)	**Brake system warning light (warning buzzer)*** • Low brake fluid • Malfunction in the brake booster system This light also comes on when the parking brake is not released. If the light turns off after the parking brake is fully released the system is operating normally.

*: **Parking brake engaged warning buzzer:**

→P. 455

Stop the vehicle immediately.

The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning light	Warning light/Details
	Charging system warning light Indicates a malfunction in the vehicle's charging system.

Have the vehicle inspected by your Lexus dealer immediately.

Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning light	Warning light/Details
CHECK (U.S.A.) (Canada)	**Malfunction indicator lamp** Indicates a malfunction in: • The electronic engine control system; • The electronic throttle control system; or • The electronic automatic transmission control system.
	SRS warning light Indicates a malfunction in: • The SRS airbag system; or • The seat belt pretensioner system.

Warning light	Warning light/Details
ABS (U.S.A.) (ABS) (Canada)	**ABS warning light** Indicates a malfunction in: • The ABS; or • The brake assist system.
	Electric power steering warning light Indicates a malfunction in the EPS (Electric Power Steering) system.
PCS	**Pre-collision system warning light (if equipped)** Indicates a malfunction in the pre-collision system.

n **Electric power steering warning light**

When the battery is low or when the voltage drops temporarily, the electric power steering warning light may come on.

CAUTION

n **When the electric power steering warning light comes on**

The steering wheel may become extremely heavy.
If the steering wheel becomes heavier than usual when operating, firmly hold and operate it using more force than usual.

Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Warning light	Warning light/Details	Correction procedure
	Open door warning light (warning buzzer)*1 Indicates that a door or the trunk is not fully closed.	Check that all doors and the trunk are closed.
	Low fuel level warning light Remaining fuel (Approximately 2.9 gal. [11 L, 2.4 Imp. gal.] or less)	Refuel the vehicle.
(On the instru-ment cluster)	**Driver's seat belt reminder light (warning buzzer)*2** Warns the driver to fasten his/her seat belt.	Fasten the seat belt.
(On the center panel)	**Front passenger's seat belt reminder light (warning buzzer)*2** Warns the front passenger to fasten his/her seat belt.	Fasten the seat belt.
	Tire pressure warning light	
	When the light comes on: Low tire inflation pressure	Adjust the tire inflation pres-sure.
	When the light comes on after blinking for 1 minute: Malfunction in the tire pres-sure warning system	Have the system checked by your Lexus dealer.

Warning light	Warning light/Details	Correction procedure
	Master warning light A buzzer sounds and the warning light comes on and flashes to indicate that the master warning system has detected a malfunction.	→P. 451

*1: **Open door warning buzzer:**

→P. 455

*2: **Driver's and front passenger's seat belt buzzer:**

The driver's and front passenger's seat belt buzzer sounds to alert the driver and front passenger that his or her seat belt is not fastened. The buzzer sounds intermittently for 10 seconds after the vehicle reaches a speed of 12 mph (20 km/h). Then, if the seat belt is still unfastened, the buzzer will sound in a different tone for 20 more seconds.

- **If the malfunction indicator lamp comes on while driving**

  First check the following:

  - Is the fuel tank empty?
    If it is, fill the fuel tank immediately.
  - Is the fuel tank cap loose?
    If it is, tighten it securely.

  The lamp will go off after taking several driving trips.
  If the lamp does not go off even after several trips, contact your Lexus dealer as soon as possible.

- **Front passenger detection sensor and passenger seat belt reminder and warning buzzer**

  - If luggage is placed on the front passenger seat, the front passenger detection sensor may cause the warning light to flash and the warning buzzer to sound, even if a passenger is not sitting in the seat.
  - If a cushion is placed on the seat, the sensor may not detect a passenger, and the warning light may not operate properly.

- **When the tire pressure warning light comes on**

  Check the tire inflation pressure and adjust to the appropriate level. Pushing the tire pressure warning reset switch does not turn off the tire pressure warning light.

- **The tire pressure warning light may turn on due to natural causes**

  The tire pressure warning light may turn on due to natural causes such as natural air leaks or tire inflation pressure changes caused by temperature. In this case, adjusting the tire inflation pressure will turn off the warning light (after a few minutes).

- **When a tire is replaced with a spare tire**

  The compact spare tire is not equipped with the tire pressure warning valve and transmitter. If a tire goes flat, the tire pressure warning light will not turn off even though the flat tire is replaced with the spare tire. Replace the spare tire with the repaired tire and adjust the proper tire inflation pressure. The tire pressure warning light will turn off after a few minutes.

- **If the tire pressure warning system is inoperative**

The tire pressure warning system will be disabled in the following conditions:

(When the condition becomes normal, the system will work properly.)

- If tires not equipped with tire pressure warning valves and transmitters are used.
- If the ID code on the tire pressure warning valves and transmitters is not registered in the tire pressure warning computer.
- If a different set of tires has been selected using the satellite switch.
- If the tire inflation pressure is 73 psi (500 kPa, 5.1 kgf/cm^2 or bar) or higher.
- If electronic devices or facilities using similar radio wave frequencies are nearby.
- If a radio set at similar frequencies is in use in the vehicle.
- If there is a lot of snow or ice on the vehicle, in particular, around the wheels or wheel housings.
- If non-genuine Lexus wheels are used. (Even if you use Lexus wheels, the tire pressure warning system may not work properly with some types of tires.)

- **If the tire pressure warning light comes on after blinking for 1 minute frequently**

If the tire pressure warning light comes on after blinking for 1 minute frequently when the “ENGINE START STOP” switch is turned to IGNITION ON mode, have it checked by your Lexus dealer.

- **Customization that can be configured at Lexus dealer**

The vehicle speed linked seat belt reminder buzzer can be disabled.
(Customizable features →P. 515)

CAUTION

■ **If the tire pressure warning light comes on**

Be sure to observe the following precautions. Failure to do so could cause loss of vehicle control and result in death or serious injury.

- Stop your vehicle in a safe place as soon as possible. Adjust the tire inflation pressure immediately.
- If the tire pressure warning light comes on even after tire inflation pressure adjustment, it is probable that you have a flat tire. Check the tires. If the tire is flat, change to the spare tire and have the flat tire repaired by the nearest Lexus dealer.
- Avoid abrupt maneuvering and braking. If the vehicle tires deteriorate, you could lose control of the steering wheel or the brakes.

■ **If a blowout or sudden air leakage should occur**

The tire pressure warning system may not activate immediately.

CAUTION

Maintenance of the tires

Each tire, including the spare (if provided), should be checked monthly when cold and inflated to the inflation pressure recommended by the vehicle manufacturer on the vehicle placard or tire inflation pressure label (tire and load information label). (If your vehicle has tires of a different size than the size indicated on the vehicle placard or tire inflation pressure label [tire and load information label], you should determine the proper tire inflation pressure for those tires.)

As an added safety feature, your vehicle has been equipped with a tire pressure monitoring system (TPMS-tire pressure warning system) that illuminates a low tire pressure telltale (tire pressure warning light) when one or more of your tires is significantly under-inflated. Accordingly, when the low tire pressure telltale (tire pressure warning light) illuminates, you should stop and check your tires as soon as possible, and inflate them to the proper pressure. Driving on a significantly under-inflated tire causes the tire to overheat and can lead to tire failure. Under-inflation also reduces fuel efficiency and tire tread life, and may affect the vehicle's handling and stopping ability.

Please note that the TPMS (tire pressure warning system) is not a substitute for proper tire maintenance, and it is the driver's responsibility to maintain correct tire pressure, even if under-inflation has not reached the level to trigger illumination of the TPMS low tire pressure telltale (tire pressure warning light).

Your vehicle has also been equipped with a TPMS (tire pressure warning system) malfunction indicator to indicate when the system is not operating properly. The TPMS (tire pressure warning system) malfunction indicator is combined with the low tire pressure telltale (tire pressure warning light). When the system detects a malfunction, the telltale will flash for approximately one minute and then remain continuously illuminated. This sequence will continue upon subsequent vehicle start-ups as long as the malfunction exists. When the malfunction indicator is illuminated, the system may not be able to detect or signal low tire pressure as intended.

TPMS (tire pressure warning system) malfunctions may occur for a variety of reasons, including the installation of replacement or alternate tires or wheels on the vehicle that prevent the TPMS (tire pressure warning system) from functioning properly. Always check the TPMS (tire pressure warning system) malfunction telltale after replacing one or more tires or wheels on your vehicle to ensure that the replacement or alternate tires and wheels allow the TPMS (tire pressure warning system) to continue to function properly.

NOTICE

- **Precaution when installing a different tire**

  When a tire of a different specification or maker is installed, the tire pressure warning system may not operate properly.

If a warning message is displayed

If a warning is shown on the multi-information display, stay calm and perform the following actions:

1 Master warning light

The master warning light also comes on or flashes in order to indicate that a message is currently being displayed on the multi-information display.

2 Multi-information display

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If any of the warning lights turns on again after performing the following actions, contact your Lexus dealer.

Stop the vehicle immediately.

A buzzer sounds and a warning message is shown on the multi-information display. The following warning indicates the possibility of damage to the vehicle that may lead to an accident. Immediately stop the vehicle in a safe place and contact your Lexus dealer.

Warning message	Details
LOW OIL PRESSURE (Flashing)	**Indicates an abnormal engine oil pressure.** The warning light may turn on if the engine oil pressure is too low.
HIGH ENGINE OIL TEMP. (Flashing)	**Indicates that the engine oil temperature is too high.** The engine oil temperature gauge display will also flash. (→P. 139)

Have the vehicle inspected by your Lexus dealer immediately.

A buzzer sounds and a warning message is shown on the multi-information display. Failing to investigate the cause of the following warnings may lead to the system operating abnormally and possibly cause an accident. Have the vehicle inspected by your Lexus dealer immediately.

Warning message	Details
CHECK S/T LOCK (Flashing)	**Indicates a malfunction in the steering lock system.**
CHECK PCS SYSTEM PCS (If equipped)	**Indicates a malfunction in the pre-collision system.**
CHECK SONAR (If equipped)	**Indicates an intuitive parking assist malfunction.** The malfunctioning assist-sensor is shown flashing on the display.

Warning message	Details
CHECK CRUISE SYSTEM (Flashing and then continuously on) CRUISE (Flashing) (If equipped)	**Indicates a malfunction in the radar cruise control system.**

Follow the correction procedures.

A buzzer sounds and a warning message is shown on the multi-information display. After taking the specified steps to correct the suspected problem, check that the warning message turns off.

Warning message	Details	Correction procedure
RIGHT FRONT DOOR LEFT FRONT DOOR RIGHT REAR DOOR LEFT REAR DOOR	**Indicates that one or more of the doors is not fully closed.** The system also indicates which doors are not fully closed. [warning symbol] flashes and a buzzer sounds to indicate that one or more of the doors is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Make sure that all of the doors are closed.
HOOD OPEN	**Indicates that the hood is not fully closed.** [warning symbol] flashes and a buzzer sounds to indicate that hood is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Close the hood.

Warning message	Details	Correction procedure
TRUNK OPEN	**Indicates that the trunk is not fully closed.** (warning symbol) flashes and a buzzer sounds to indicate that trunk is not fully closed (with the vehicle having reached a speed of 3 mph [5 km/h]).	Close the trunk.
MOONROOF OPEN (warning symbol) (Flashing) (If equipped)	**Indicates that the moon roof is not fully closed (with the "ENGINE START STOP" switch OFF and the driver's door opened).**	Close the moon roof.
PARK BRAKE	**Indicates that the parking brake is still engaged.** (warning symbol) flashes and a buzzer sounds to indicate that the parking brake is still engaged (with the vehicle having reached a speed of 3 mph [5 km/h]).	Release the parking brake.
HIGH TRANSMISSION FLUID TEMP. (warning symbol) (Flashing)	**Indicates that the automatic transmission fluid temperature is too high**	→P. 135

Warning message	Details	Correction procedure
LOW WASHER FLUID	**Indicates that the washer fluid level is low.**	Add washer fluid.
LOW ENGINE OIL LEVEL	**Indicates that engine oil level is low.**	Check the level of engine oil, and add if necessary. This message may appear if the vehicle is stopped on a slope. Move the vehicle to a level surface and check to see if the message disappears.
OIL MAINT REQD SOON (U.S.A. only)	**Indicates that the engine oil is scheduled to be changed.** **Comes on approximately 4500 miles (7200 km) after the engine oil is changed. (The indicator will not work properly unless the oil maintenance data has been reset.)**	Check the engine oil, and change if necessary.

Warning message	Details	Correction procedure
OIL MAINT REQD (U.S.A. only)	**Indicates that the engine oil should be changed.** **Comes on approximately 5000 miles (8000 km) after the engine oil is changed (and the oil maintenance data has been reset).**	Check and change the engine oil.
PCS NOT AVAILABLE NOW PCS (Flashing) (If equipped)	**Indicates that the pre-collision system is not currently functional.**	Clean the grille and the sensor. This message appears when the pre-collision system is hot. In this case, wait until the system cools down.
CLEAN SONAR (If equipped)	**Indicates that intuitive parking assist is dirty or covered with ice.**	Clean the sensor.

Warning message	Details	Correction procedure
CLEAN RADAR SENSOR (Flashing and then continuously on) CRUISE (Flashing) (If equipped)	**Indicates that the radar cruise control sensor is dirty or covered with ice.**	Clean the sensor.
CRUISE NOT AVAILABLE (Flashing and then continuously on) CRUISE (Flashing) (If equipped)	**Indicates that the radar cruise control system is unable to judge vehicle-to-vehicle distance.**	• Switch the driving mode to either the "Normal" or "Sport" mode. • If the windshield wipers are on, turn them off or set them to either the intermittent or the slow mode.
60 MPH (Flashing) (If equipped)	**Indicates that your vehicle is nearing the vehicle ahead (in radar cruise mode).**	Slow the vehicle by applying the brakes.

- **Changing the engine oil (U.S.A. only)**

  Make sure to reset the oil change system. (→P. 374)

- **Warning light display in radar cruise mode (if equipped)**

  In the following cases, the warning light may not be displayed even if vehicle-to-vehicle distance decreases.

  - When your vehicle and the vehicle ahead are traveling at the same speed or the vehicle ahead is traveling more quickly than your vehicle
  - When the vehicle ahead is traveling at a very low speed
  - Immediately after cruise control speed is set
  - At the instant the accelerator pedal is depressed

Follow the correction procedures.

After taking the specified steps to correct the suspected problem, check that the warning light turns off.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	KEY IS NOT DETECTED (Comes on for 10 seconds.)	**Indicates that an attempt was made to start the engine without the electronic key being present, or the electronic key was not functioning normally.**	Start the engine with the electronic key present.*
Once	3 times	KEY IS NOT DETECTED (Flashing)	**Indicates that a door other than the driver's door has been opened and closed with the "ENGINE START STOP" switch in any mode other than OFF and the electronic key has been taken out of the detection area.**	Confirm the location of the electronic key.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	3 times	KEY IS NOT DETECTED	**Indicates that the driver's door has been opened and closed with the shift lever in P, the "ENGINE START STOP" switch in any mode other than OFF and the electronic key has been taken out of the detection area.**	Turn the "ENGINE START STOP" switch OFF or confirm the location of the electronic key.
Continuous	Continuous	SHIFT TO P RANGE KEY IS NOT DETECTED (Displayed alternately) (Flashing)	**Indicates that the driver's door has been opened and closed with the shift lever out of in P, the "ENGINE START STOP" switch in any mode other than OFF and the electronic key has been taken out of the detection area.**	• Shift the shift lever to P. • Confirm the location of the electronic key.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	LOW KEY BATTERY (Comes on for 10 seconds.) (Flashing)	**Indicates that the key battery is low.**	Replace the battery. (→P. 406)
—	—	WHEN STARTING THE ENGINE, DEPRESS THE BRAKE PEDAL	**Indicates that the "ENGINE START STOP" switch has been turned twice to ACCESSORY mode without starting the engine when a closed door is opened.**	Press the "ENGINE START STOP" switch while applying the brakes.
—	—	S/T IS NOT UNLOCKED (Flashing)	**Indicates that the steering lock has not released within 3 seconds of pressing the "ENGINE START STOP" switch.**	Press the "ENGINE START STOP" switch again while turning the steering wheel with the brake pedal depressed.

Interior buzzer	Exterior buzzer	Warning message	Details	Correction procedure
Once	—	DEPRESS THE BRAKE PEDAL, AND TOUCH THE ENGINE SWITCH WITH THE KEY	**Indicates that the electronic key does not operate properly.**	→P. 478
Once	—	TO START, DEPRESS THE BRAKE PEDAL, AND PUSH THE ENGINE SWITCH		

*: If the engine does not start when the electronic key is inside the vehicle, the electronic key battery may be depleted or there may be difficulties receiving the signal from the key. (→P. 30)

If you have a flat tire

Remove the flat tire and replace it with the spare tire provided. The spare tire can only be used on the front wheels.

Before jacking up the vehicle

- Stop the vehicle on a hard, flat surface.
- Set the parking brake.
- Shift the shift lever to P.
- Stop the engine.
- Turn on the emergency flashers.

Location of the spare tire, jack and tools

Jack
Tighten
Loosen
Tool bag
(including towing eyelet)
Spare tire
Jack handle
CLY52AB407

Taking out the spare tire

STEP 1 Lift up the hook of the panel on the trunk floor.

STEP 2 Secure the panel using the hook provided.

STEP 3 Loosen the center fastener that secures the spare tire.

Replacing a flat tire

STEP 1

Chock the tires.

Flat tire		Wheel chock positions
Front	Left-hand side	Behind the rear right-hand side tire
	Right-hand side	Behind the rear left-hand side tire
Rear	Left-hand side	In front of the front right-hand side tire
	Right-hand side	In front of the front left-hand side tire

STEP 2

Slightly loosen the wheel nuts (one turn).

STEP 3

Turn the tire jack portion "A" by hand until the notch of the jack is in contact with the jack point.

STEP 4

Raise the vehicle until the tire is slightly raised off the ground.

STEP 5

Remove all the wheel nuts and the tire.

When resting the tire on the ground, place the tire so that the wheel design faces up to avoid scratching the wheel surface.

Installing the spare tire

STEP 1

Remove any dirt or foreign matter from the wheel contact surface.

If foreign matter is on the wheel contact surface, the wheel nuts may loosen while the vehicle is in motion, and the tire may come off the vehicle.

STEP 2 Install the spare tire and loosely tighten each wheel nut by hand by approximately the same amount.

Tapered portion

Disc wheel seat

CLY52AB410

Tighten the nuts until the tapered portion comes into loose contact with the disc wheel seat.

STEP 3 Lower the vehicle.

CLY52AB411

STEP 4 Firmly tighten each nut two or three times in the order shown in the illustration.

1 2 3 4 5

CLY52AB412

Tightening torque:
76 ft•lbf (103 N•m, 10.5 kgf•m)

STEP 5 Stow the flat tire, tire jack and all tools.

The compact spare tire

- The compact spare tire is identified by the label “TEMPORARY USE ONLY” on the tire sidewall.
  Use the compact spare tire temporarily only in an emergency.
- Make sure to check the tire inflation pressure of the compact spare tire. (→P. 498)

When using the compact spare tire

As the compact spare tire is not equipped with the tire pressure warning valve and transmitter, low inflation pressure of the spare tire will not be indicated. Also, if you replace the compact spare tire after the tire pressure warning light comes on, the light remains on.

After completing the tire change

The tire pressure warning system must be reset. (→P. 387)

CAUTION

Using the tire jack

Improper use of the tire jack may lead to death or serious injuries due to the vehicle suddenly falling off the jack.

- Do not use the tire jack for any purpose other than replacing tires.
- Only use the tire jack that comes with this vehicle for replacing a flat tire.
  Do not use it on other vehicles, and do not use other tire jacks for replacing tires on this vehicle.
- Always check that the tire jack is securely set to the jack point.
- Do not put any part of your body under the vehicle while it is supported by the jack.
- Do not start or run the engine while your vehicle is supported by the jack.
- Do not raise the vehicle while someone is in it.
- When raising the vehicle, do not put an object on or under the jack.
- Do not raise the vehicle to a height greater than that required to replace the tire.
- Use a jack stand if it is necessary to get under the vehicle.

Take particular care when lowering the vehicle to ensure that no one working on or near the vehicle may be injured.

Replacing a flat tire

Observe the following precautions to reduce the risk of death or serious injury.

- Never use oil or grease on the wheel bolts or wheel nuts.
  Oil and grease may cause the wheel nuts to be excessively tightened, leading to bolt or disc wheel damage. In addition, the oil or grease can cause the wheel nuts to loosen and the wheel may fall off, causing a serious accident. Remove any oil or grease from the wheel bolts or wheel nuts.
- Have the wheel nuts tightened with a torque wrench to 76 ft•lbf (103 N•m, 10.5 kgf•m) as soon as possible after changing wheels.
  Failure to follow these precautions could cause the nuts to loosen and the wheels may fall off, which could lead to an accident causing death or serious injury.

CAUTION

When using the compact spare tire

- Remember that your compact spare tire is specifically designed for use with your vehicle. Do not use your compact spare tire on another vehicle.
- Do not use the compact spare tire as a rear tire. If you have a flat rear tire, replace a front tire with the compact spare tire first and then replace the flat rear tire with the tire removed from the front.
- Do not use more than one compact spare tire simultaneously.
- Replace the compact spare tire with a standard tire as soon as possible.
- Avoid sudden acceleration, deceleration and braking, as well as sharp cornering.

Speed limit when using the compact spare tire

Do not drive at speeds in excess of 50 mph (80 km/h) when a compact spare tire is installed on the vehicle.

The compact spare tire is not designed for driving at high speeds. Failing to observe this precaution may lead to an accident causing death or serious injury.

When the spare tire is installed

The vehicle speed may not be correctly detected, and the following systems may not operate correctly:

- ABS & brake assist
- VSC
- TRAC
- VDIM
- Navigation system (if equipped)
- Intuitive parking assist (if equipped)
- Dynamic radar cruise control (if equipped)
- Cruise control (if equipped)
- PCS (if equipped)
- AFS
- LSD

NOTICE

- **Do not drive the vehicle with a flat tire**

  Do not continue driving with a flat tire.
  Driving even a short distance with a flat tire can damage the tire and the wheel beyond repair.

- **Be careful when driving over bumps with the compact spare tire installed on the vehicle**

  The vehicle becomes lower when driving with the compact spare tire compared to when driving with standard tires. Be careful when driving over uneven road surfaces.

- **Driving with tire chains and the compact spare tire**

  Do not fit tire chains to the compact spare tire.
  Tire chains may damage the vehicle body and adversely affect driving performance.

- **When replacing the tires**

  When removing or fitting the wheels, tires or the tire pressure warning valve and transmitter, contact your Lexus dealer as the tire pressure warning valve and transmitter may be damaged if not handled correctly.

- **To avoid damaging the tire pressure warning valves and transmitters**

  Do not use liquid sealants on flat tires.

If the engine will not start

If the engine will not start even though correct starting procedures are being followed (→P. 124), consider each of the following points.

The engine will not start even when the starter motor operates normally.

One of the following may be the cause of the problem.

- There may not be sufficient fuel in the vehicle's tank.
  Refuel the vehicle.
- The engine may be flooded.
  Try to restart the engine once more following correct starting procedures. (→P. 124)

The starter motor turns over slowly, the interior lights and headlights are dim, or the horn does not sound or sounds at a low volume.

One of the following may be the cause of the problem.

- The battery may be discharged. (→P. 480)
- The battery terminal connections may be loose or corroded.

The starter motor does not turn over, the interior lights and headlights do not turn on, or the horn does not sound.

One of the following may be the cause of the problem.

- One or both of the battery terminals may be disconnected.
- The battery may be discharged. (→P. 480)
- There may be a malfunction in the engine immobilizer system. (→P. 78)
- There may be a malfunction in the steering lock system.

Contact your Lexus dealer if the problem cannot be repaired, or if repair procedures are unknown.

If the shift lever cannot be shifted from P

If the shift lever cannot be shifted with your foot on the brake, there may be a problem with the shift lock system (a system to prevent accidental operation of the shift lever). Have the vehicle inspected by your Lexus dealer immediately.

The following steps may be used as an emergency measure to ensure that the shift lever can be shifted.

STEP 1 Set the parking brake.

STEP 2 Turn the "ENGINE START STOP" switch to IGNITION ON mode.

STEP 3 Depress the brake pedal.

STEP 4 Pry the cover up with a flathead screwdriver or equivalent.

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STEP 5 Press the shift lock override button.

The shift lever can be shifted while the button is pressed.

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If you lose your keys

New genuine Lexus keys can be made by your Lexus dealer using the other key and the key number stamped on your key number plate. (→P. 22)

If the electronic key does not operate properly

If communication between the electronic key and vehicle is interrupted (→P. 30) or the electronic key cannot be used because the battery is depleted, the smart access system with push-button start and wireless remote control cannot be used. In such cases, the doors and trunk can be opened or the engine can be started by following the procedure below.

Locking and unlocking the doors, unlocking the trunk and key linked functions

▶ Doors

Remove the cover on the driver's door handle using the mechanical key (→P. 23) in order to perform the following operations.

1. Locks all doors
2. Closes the windows/moon roof (turn and hold)
3. Unlocks the door

   Turning the key rearward unlocks the driver's door. Turning the key once again unlocks the other doors.
4. Opens the windows/moon roof (turn and hold)

Return the cover to the original position after use.

▶ Trunk

Turn the mechanical key clockwise to open.

Changing "ENGINE START STOP" switch modes and starting the engine

STEP 1 Shift the shift lever to P and apply the brakes.

STEP 2 Touch the Lexus emblem side of the electronic key to the "ENGINE START STOP" switch.

An alarm will sound to indicate that the start function cannot detect the electronic key that is touched to the "ENGINE START STOP" switch if any of the doors is opened and closed while the key is touched to the switch.

STEP 3 To change "ENGINE START STOP" switch modes: Within 10 seconds of the buzzer sounding, release the brake pedal and press the "ENGINE START STOP" switch. Modes can be changed each time the switch is pressed. (→P. 124)

To start the engine: Press the "ENGINE START STOP" switch within 10 seconds after the buzzer sounds, keeping the brake pedal depressed.

In the event that the engine still cannot be started, contact your Lexus dealer.

Stopping the engine

Shift the shift lever to P and press the "ENGINE START STOP" switch as you normally do when stopping the engine.

Replacing the key battery

As the above procedure is a temporary measure, it is recommended that the electronic key battery be replaced immediately when the battery depletes.
(→P. 406)

If the vehicle battery is discharged

The following procedures may be used to start the engine if the vehicle's battery is discharged.
You can call your Lexus dealer or a qualified repair shop.

If you have a set of jumper (or booster) cables and a second vehicle with a 12-volt battery, you can jump start your Lexus following the steps below.

STEP 1

Connecting the jumper cables.

1 Remove the engine cover.
2 Positive (+) battery terminal on your vehicle
3 Positive (+) battery terminal on the second vehicle
4 Negative (-) battery terminal on the second vehicle
5 Connect the jumper cable to ground on your vehicle as shown in the illustration.

STEP 2 Start the engine of the second vehicle. Increase the engine speed slightly and maintain at that level for approximately 5 minutes to recharge the battery of your vehicle.

STEP 3 Open and close any of the doors with the “ENGINE START STOP” switch OFF.

STEP 4 Maintain the engine speed of the second vehicle and turn the “ENGINE START STOP” switch to IGNITION ON mode, then start the vehicle’s engine.

STEP 5 Once the vehicle’s engine has started, remove the jumper cables in the exact reverse order in which they were connected.

Once the engine starts, have the vehicle checked at your Lexus dealer as soon as possible.

Starting the engine when the battery is discharged

The engine cannot be started by push-starting.

To prevent battery discharge

- Turn off the headlights and the audio system while the engine is off.
- Turn off any unnecessary electrical components when the vehicle is running at a low speed for an extended period, such as in heavy traffic, etc.

CAUTION

■ **Avoiding battery fires or explosions**

Observe the following precautions to prevent accidentally igniting the flammable gas that may be emitted from the battery.

- Make sure the jumper cable is connected to the correct terminal and that it is not unintentionally in contact with any part other than the intended terminal.
- Do not allow the jumper cables to come into contact with the "+" and "-" terminals.
- Do not allow open flame or use matches, cigarette lighters or smoke near the battery.

■ **Battery precautions**

The battery contains poisonous and corrosive acidic electrolyte, while related parts contain lead and lead compounds. Observe the following precautions when handling the battery.

- When working with the battery, always wear safety glasses and take care not to allow any battery fluids (acid) to come into contact with skin, clothing or the vehicle body.
- Do not lean over the battery.
- In the event that battery fluid comes into contact with the skin or eyes, immediately wash the affected area with water and seek medical attention.
  Place a wet sponge or cloth over the affected area until medical attention can be received.
- Always wash your hands after handling the battery support, terminals, and other battery-related parts.
- Do not allow children near the battery.

NOTICE

■ **When handling jumper cables**

Be careful that the jumper cables do not become tangled in the cooling fan or any of the belts when connecting or disconnecting them.

If your vehicle overheats

If your engine overheats:

STEP 1 Stop the vehicle in a safe place and turn off the automatic air conditioning system.

STEP 2 Check to see if steam is coming out from under the hood.

If you see steam:

Stop the engine. Carefully lift the hood after the steam subsides and then restart the engine.

If you do not see steam:

Leave the engine running and carefully lift the hood.

STEP 3 Remove the engine compartment cover (front). (→P. 373)

STEP 4 Check to see if the cooling fans are operating.

If the fans are operating:

Wait until the temperature of the engine (shown on the instrument cluster) begins to fall and then stop the engine.

If the fans are not operating:

Stop the engine immediately and call your local Lexus dealer.

STEP 5 After the engine has cooled down sufficiently, check the engine coolant level and inspect the radiator core (radiator) for any leaks.

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STEP 6

Add engine coolant if necessary.

Water can be used in an emergency measure if engine coolant is unavailable. (→P. 494)

Have the vehicle checked at your nearest Lexus dealer as soon as possible.

Overheating

If you observe the following, your vehicle may be overheating.

- The engine coolant temperature gauge enters the red zone or a loss of power is experienced.
- Steam is coming from under the hood.

CAUTION

To prevent an accident or injury when inspecting under the hood of your vehicle

- If steam is seen coming from under the hood, do not open the hood until the steam has subsided. The engine compartment may be very hot, causing serious injury such as burns.
- Keep hands and clothing away from the fans and belt while the engine is running.
- Do not loosen the coolant reservoir cap while the engine and radiator are hot. Serious injury, such as burns, may result from hot coolant and steam released under pressure.

NOTICE

- **When adding engine coolant**

Wait until the engine has cooled down before adding engine coolant.
When adding coolant, do so slowly. Adding cool coolant to a hot engine too quickly can cause damage to the engine.

If the vehicle becomes stuck

Carry out the following procedures if the tires spin or the vehicle becomes stuck in mud, dirt, or snow.

STEP 1 Stop the engine. Set the parking brake and shift the shift lever to P.

STEP 2 Remove the mud, snow, or sand from around the stuck tire.

STEP 3 Place wood, stones or some other material to help provide traction under the tires.

STEP 4 Restart the engine.

STEP 5 Shift the shift lever to the D or R position, release the parking brake and carefully apply the accelerator to free the vehicle.

Turn off TRAC and VSC if these functions are hampering your attempts to free the vehicle. (→ P. 179)

CAUTION

- **When attempting to free a stuck vehicle**

  If you choose to rock the vehicle back and forth to free it, make sure the surrounding area is clear, to avoid striking other vehicles, objects or persons. The vehicle may also lunge forward or lunge back suddenly as it becomes free. Use extreme caution.

- **When shifting the shift lever**

  Be careful not to shift the shift lever with the accelerator pedal depressed.
  This may lead to unexpected rapid acceleration of the vehicle that may cause an accident and result in death or serious injury.

NOTICE

- **To avoid damaging the transmission and other components**
  - Avoid spinning the wheels and do not rev the engine.
  - If the vehicle remains stuck after trying these procedures, the vehicle may require towing to be freed.

If your vehicle has to be stopped in an emergency

Only in an emergency, such as if it becomes impossible to stop the vehicle in the normal way, stop the vehicle using the following procedure:

STEP 1 Steadily step on the brake pedal with both feet and firmly depress it.

Do not pump the brake pedal repeatedly as this will increase the effort required to slow the vehicle.

STEP 2 Shift the shift lever to N.

▶ If the shift lever is shifted to N

STEP 3 After slowing down, stop the vehicle in a safe place by the road.

STEP 4 Stop the engine.

▶ If the shift lever cannot be shifted to N

STEP 3 Keep depressing the brake pedal with both feet to reduce vehicle speed as much as possible.

STEP 4

Stop the engine by pressing and holding the "ENGINE START STOP" switch for 3 consecutive seconds or more.

STEP 5 Stop the vehicle in a safe place by the road.

CAUTION

■ **If the engine has to be turned off while driving**

Power assist for the brakes and steering wheel will be lost, making the brake pedal harder to depress and the steering wheel heavier to turn. Decelerate as much as possible before turning off the engine.